

655-587

8/21/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

AUG 21 2014

OFFICE OF
CHEMICAL SAFETY
AND POLLUTION PREVENTION

Ms. Sharon M. Johnston
Prentiss LLC
2155 West Croft Circle
Spartanburg, SC 29302

Subject: Label Notification(s) for Pesticide Registration 98-10

Dear Ms. Johnston:

Subject: Notification to Make Label Change
EPA Registration Number: 655-587
Date of Submission: March 18, 2014
Decision: 489300

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated March 18, 2014 for the product Prentox Emulsifiable Spray Concentrate #96. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has (have been stamped "Notification" and will be placed in our records.

If you have any questions, please contact Melody Banks on 703 305-5413 or via E-mail at banks.melody@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Richard Gebken".

Richard Gebken
Product Manager
Insecticide Branch
Registration Division (7504P)



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 655-587	2. EPA Product Manager Richard Gebken	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Prentox Emulsifiable Spray Concentrate #96	PM# 10	
5. Name and Address of Applicant (Include ZIP Code) Prentiss LLC 2155 West Croft Circle Spartanburg, SC 29302 <input checked="" type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: NOTIFICATION EPA Reg. No. _____ AUG 21 2014 Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

NOTIFICATION OF SOURCE OF INGREDIENTS: Added "With Pyrethrins, a Botanical Insecticide" per PR Notice 98-10 Section II.K.2.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted		If "Yes" Unit-Packaging wgt.	No. per container	Other (Specify) _____	
		If "Yes" Package wgt	No. per container		
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 - 55 gallons		5. Location of Label Directions <input checked="" type="checkbox"/> On label	
6. Manner in Which Label is Affixed to Product		<input checked="" type="checkbox"/> Lithograph Paper glued Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Sharon M. Johnston	Title Agent for Prentiss, Inc.	Telephone No. (Include Area Code) (636) 942-2583
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Agent for Prentiss, LLC	
4. Typed Name Sharon M. Johnston	5. Date March 18, 2014	



EMULSIFIABLE SPRAY CONCENTRATE #96

NOTIFICATION

AUG 21 2014

ACTIVE INGREDIENTS:

Pyrethrins.....	0.96%
Piperonyl Butoxide*	9.60%
OTHER INGREDIENTS**:	89.44%
TOTAL:	100.00%

With Pyrethrins, a Botanical Insecticide

*(butylcarbityl)(6-propylpiperonyl) ether and related compounds
**Contains Petroleum Distillates

PRENTOX® - Registered Trademark of Prentiss Incorporated

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

**SEE ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE INSIDE THIS BOOKLET
KEEP THIS BOOKLET WITH CONTAINER AT ALL TIMES.**

EPA Reg. No. 655-587

EPA Est. No.

NET CONTENTS _____

LOT # _____

Manufactured by:

PRENTISS, LLC
2155 West Croft Circle
Spartanburg, SC 29302

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     C C C
    C C C
   C C C
  C C C
 C C C
C C C

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FIRST AID	
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a Poison Control Center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Immediately call a Poison Control Center or doctor. • Do not induce vomiting unless told to do so by the Poison Control Center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call the National Pesticide Information Center at 1-800-858-7378, seven days a week, 9:30 am. To 7:30 p.m. EST. At other times, call the poison control center at 1-800-222-1222.</p>	
<p>NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia.</p>	

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

CAUTION: Contains Petroleum Distillate. Harmful if absorbed through the skin. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators, and other handlers must wear the following:

- long-sleeve shirt and long pants,
- Chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber or viton,
- shoes and socks.

In addition to the above PPE, applicators using a high pressure handwand in an enclosed area must wear at least a NIOSH-approved respirator with:

- a dust/mist filter with MSHA/NIOSH approval number prefix TC-21C or
- any R, P, or HE filter.

In addition to the above PPE, applicators using hand held foggers in an enclosed area must wear a half-face, full-face, or hood-style NIOSH-approved respirator with:

- a dust/mist filtering cartridge with MSHA/NIOSH approval number prefix TC-21C or
- a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or
- a cartridge or canister with any R, P, or HE filter.

See engineering controls for additional requirements.

User Safety Requirements:

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

User Safety Recommendations: Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Engineering Controls:

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)].

Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Position System (GPS) or mechanical flaggers.

ENVIRONMENTAL HAZARDS

For Terrestrial Applications: This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Except as specified in the directions for use, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash-water or rinsate.

For Wide Area Mosquito Adulticide Applications: This pesticide is toxic to aquatic organisms, including fish and invertebrates. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates.

When applying as a wide area mosquito adulticide, before making the first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply when bees are visiting the treatment area, except when applications are made to prevent or control a threat to public and/or animal health determined by a state, tribal, or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

When applying as a wide area mosquito adulticide, do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries), except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body.

{For containers equal to or greater than 5 gallons} Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

<p>USE RESTRICTIONS:</p> <ul style="list-style-type: none"> - Remove or cover exposed food and drinking water before application. - Remove or cover dishes, utensils, food processing equipment and food preparation surfaces or wash them before use. - Remove pets and birds and cover fish aquariums before spraying. - When used in food handling and processing facilities: Do not make space spray applications while facility is in operation. Prior to space spray applications, cover or remove food and cover food processing surfaces or clean after treatment and before use. - Use on vegetables & ornamentals: For use only on home vegetable gardens. Not for use on plants being grown for sale or other commercial seed products or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks or on golf courses or lawns and grounds. - Do not apply directly into sewers or drains or to any area like a gutter where drainage to storm sewers, water bodies or aquatic habitat can occur. Do not allow the product to enter any drain during or after application. - Except when applying to animals (pets/livestock) or as a wide area mosquito adulticide, do not enter or allow others to enter until sprays have dried and vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated. - Except when applying to animals (pets/livestock) or as a wide area mosquito adulticide, do not apply this product in a way that will contact workers or other persons, either directly or through drift. - Except when applying to animals (pets/livestock) or as a wide area mosquito adulticide, only protected handlers may be in the area during application. - After space spraying, do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed. - When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking. - Do not make applications during rain. - Do not wet plants to the point of runoff or drip. - Do not wet articles to the point of run-off. Do not use treated article until spray has dried. - For pet use: Do not apply to dogs less than 12 weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. DO NOT USE ON CATS. - For use on animals: Do not apply more than 1 time per day. - Not for use in outdoor residential mosquito misting systems. - Do not use in aircraft cabins.
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When diluting with water, prepare only the amount needed for immediate use. Holding a water dilution more than 24 hours is not recommended. Agitate occasionally. For oil dilutions, deodorized petroleum oil is recommended. A combination of localized surface applications and space treatment are recommended for maximum effectiveness.

AS A SURFACE SPRAY: For initial clean up of severe insect infestations, dilute at a rate of 1 part concentrate and 4 parts water or oil. For normal infestations, dilute 1 part concentrate and 9 parts water or oil. To kill **ROACHES, ANTS, SILVERFISH, SPIDERS, CRICKETS, CLOVER MITES, CHEESMITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, SAWTOOTHED GRAIN BEETLES, SPIDER BEETLES, CIGARETTE BEETLES, DRUGSTORE BEETLES, MEAL WORMS GRAIN MITES, SCORPIONS, BOXELDER BUGS AND CADELLES:** Use a good sprayer adjusted to deliver a coarse, wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the bases of machinery, behind shelves, and drawers. For **SILVERFISH:** Spray bookcases. For **ANTS:** Spray trails, nests and points of entry. If surface application only is to be used, spray floors, walls and other surfaces applying at a rate of 1 gallon to 750 square feet of surface.

To kill **CARPET BEETLES:** Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, closets and infested areas of shelving.

To kill **BEDBUGS:** Thoroughly inspect area of suspected bed bug infestation and note potential harborage sites or actual infestations. Remove and/or pick up clothing and other obstacles that may prevent thorough inspection or treatment. Remove and sanitize infested bedding (pillows and linens), clothing or other items.

Apply to mattresses as a spot treatment to mattress seams, edges and tufts of bed only. Do not use directly on pillows, bed linens or clothes. Do not saturate the mattress; and do not treat entire surface area of mattress. Allow mattress to dry thoroughly before replacing pillows and/or bed linens.

Bed bugs may also harbor in areas of the room away from the bed. Apply as a crack & crevice or spot application where evidence of bed bugs occurs. This includes bed frames, box springs, inside empty drawers and clothes closets, night stands and other furniture in the room, carpet edges, high and low wall moldings (such as floor molding or window casings), wall voids, behind wall hangings and mirrors, wallpaper edges and popcorn ceilings. Remove all clothes and other articles from dressers or closets before application. Take bed apart. Treat joints and channels if hollow, such as square or round tubing and see that interior framework is treated. Apply as a surface application to carpeting, drapes and flooring. Allow all treated areas to dry thoroughly before use.

If evidence of bed bugs persists, treat mattress with a product approved for this use that contains a different active ingredient(s) and/or use an alternate method of control.

To kill **FLEAS AND BROWN DOG TICKS:** Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices along and behind baseboards, moldings, window and door frames and localized areas of floor covering. Fresh bedding should be placed in animal quarters following treatment. Concurrent treatment of animals with an approved insecticide is recommended.

AS A SPACE SPRAY: Dilute at a rate of 1 part concentrate to 19 parts water or oil. Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems. To kill **FLIES, FRUIT FLIES, GNATS, MOSQUITOES, SKIPPER FLIES, WASPS, HORNETS, ANGOUMOIS GRAIN MOTHS, MEDITERRANEAN FLOUR MOTHS, INDIAN MEAL MOTHS, SMALL FLYING MOTHS, AND TOBACCO MOTHS:** Spray direct at an upward angle distributing it uniformly through the entire area at a rate of 1 ounce per 1,000 cubic feet of space. Keep area closed for at least 10 minutes. Sweep up and destroy dead and fallen insects.

ULV APPLICATION: To kill exposed or accessible stages of the insects named on this label, dilute 1 part concentrate to 1 to 9 parts water or oil. Apply using conventional mechanical or compressed air equipment (non-thermal) following directions for space spraying. Apply the above dilutions at a rate of from 1 to 10 ounces per 1,000 cubic feet of space. When used in meat and poultry processing plants, a dilution of no less than 1 to 1 is acceptable, and it must be dispersed from equipment adjusted to deliver an aerosol spray (no droplets over 50 microns in diameter and 80% less than 30 microns).

FOR USE ON LIVESTOCK: To kill **HORN FLIES, HOUSE FLIES, MOSQUITOES, AND GNATS:** Dilute 1 part concentrate and 39 parts water and apply to wet the hair thoroughly with particular attention to the topline, underline, flanks, withers, and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or daily as needed when flies are emerging in large numbers.

To kill **STABLE FLIES, HORSE FLIES AND DEER FLIES:** Dilute 1 part concentrate and 9 parts water and apply one quart per adult animal to wet hair thoroughly with particular attention to the legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment each week as needed.

To kill **FACE FLIES:** Dilute 1 part concentrate and 9 parts water. Use spray which produces large wetting droplets. Apply to the face of the animal in the morning before releasing to pasture. Apply sufficiently to wet the face but not more than 1 1/2 ounces per animal.

To kill **MOTILE STAGES OF (BITING) YELLOW LICE AND (SUCKING) BLUE LICE** on cattle, horses, sheep, goats and hogs: Dilute this concentrate at a rate of 1 part in 100 parts of water. Spray to thoroughly wet hair of the animal including the head and brush of the tail. Repeat treatment in 10 days to kill newly hatched lice.

To kill **POULTRY LICE:** Using a dilution of 1 to 100 in water, dip birds by submerging in a barrel tank or tub of the solution holding the wings away from the body to insure thorough wetting of all infested areas. In order to avoid chilling the fowls, dip them on a warm day or in a warm building.

To kill **BEDBUGS AND MITES in poultry houses:** Dilute 1 part of concentrate and 9 parts of water and spray crevices of roost poles, cracks in walls, cracks in nests where the bedbug and mites hide.

To kill **SHEEP "TICK" OR KED:** Dilute at the rate of 1 part concentrate to 100 parts of water and thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure and with a nozzle adjustment to give penetration of the wool. Treat at a rate sufficient to wet the animal. To kill **FLEAS ON LIVESTOCK, and to obtain protection against re-infestation:** Dilute at a rate of 1 part concentrate and 9 parts water and wet the animal by dipping or

spraying. To control **SPINOSE EAR TICK**: Dilute at the rate of 1 part concentrate and 24 parts of water and apply by individual treatment, syringing or pouring 1 to 2 ounces into each ear of large animals.

In barns, milking parlors, milk rooms and dairies: To kill **FLIES, MOSQUITOES AND GNATS**: Dilute at the rate of 1 part of concentrate and 9 parts of water or oil and apply as a fog or fine mist, directing spray toward the ceiling and upper corners until the area is filled with mist using about 2 ounces per 1,000 cubic feet of space. For best results, close doors and windows before spraying and keep them closed for ten to fifteen minutes.

PETS

READ ENTIRE LABEL BEFORE EACH USE

USE ONLY ON DOGS (OVER 12 WEEKS OF AGE) TO KILL FLEAS, BROWN DOG TICKS, LICE AND SPINOSE EAR TICKS

To kill **FLEAS, BROWN DOG TICKS, AND LICE ON DOGS**, and to obtain protection against re-infestation: Dilute at the rate of 1 part concentrate and 9 parts water and wet the animal by dipping or spraying. To kill **SPINOSE EAR TICK**: Dilute at the rate of 1 part concentrate and 24 parts of water and apply by individual treatment, syringing or pouring a few drops into the ears of dogs. For best results against fleas and ticks on dogs, the kennels or animal quarters and bedding should also be treated. Do not reapply product for 14 days.

MOSQUITO CONTROL OUTDOORS

For use only by federal, state, tribal, or local government officials responsible for public health or vector control, or by person certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct supervision.

The maximum application rate for wide area mosquito adulticide applications is 0.0025 lbs pyrethrins/acre, or 0.025 lbs piperonyl butoxide/acre, whichever is lower. When targeting *Aedes Taeirorhynchus* and other difficult species, applications may be made up to 0.008 lbs pyrethrins/acre/day, or 0.08 lbs piperonyl butoxide/acre/day, whichever is lower.

Do not apply more than 0.2 lbs pyrethrins/acre/year, or 2.0 lbs piperonyl butoxide/acre/year, whichever is lower, in any treated area. More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal, or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

WIND SPEED: Apply only when wind speed is greater than or equal to 1 mph.

Ground Application

Spray equipment must be adjusted so that the volume median diameter is less than 30 microns ($Dv\ 0.5 < 30\ \mu m$) and that 90% of the spray is contained in droplets smaller than 50 microns ($Dv\ 0.9 < 50\ \mu m$). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

To kill **ADULT MOSQUITOES**; using ground application, dilute 1 part concentrate and 7 parts water or oil. Apply as a fine mist or fog. Treat entire area with particular attention to shrubbery and vegetation where mosquitoes may rest, also low or marshy areas, shore lines and stagnant pools or ponds. Repeat as necessary, usually once or twice a week. With mobile or truck mounted equipment, the above application rate will result if a 300 foot swath is treated, traveling at 5 milers per hour, dispersing spray at a rate of 100-120 fl oz/min or 46.875-56.25 gal/hr

FOR UNDILUTED use: Disperse at the following flow rates, using a swath width of 300 feet.

Truck Speed (Miles/hour)	Flow Rate (fl oz/min)
5	12.5 - 15
10	25.0 - 30
15	37.5 - 45

Aerial Application

RELEASE HEIGHT for AERIAL: Fixed wing- Apply using a nozzle height of no less than 100 feet above the ground or canopy. Rotary wings Apply using a nozzle height of no less than 75 feet above the ground or canopy.

Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns ($Dv\ 0.5\ M\ 60\ \mu m$) and that 90% of the spray is contained in droplets smaller than 80 microns ($Dv\ 0.9 < 80\ \mu m$). The effects of flight speed, and for non-rotary nozzles, nozzle angle on the droplet size spectrum must be considered. Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a wind tunnel and laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

Application using fixed wing aircraft: Use 6-12 ounces of concentrate in 4 gallons of water per acre.

To control **MOSQUITO LARVAE**: Dilute in oil at a rate of 1 part concentrate to 150 parts oil (5 pints in 50 gallons) and apply at a rate of 20 to 25 gallons per acre. Apply as a coarse wetting spray uniformly over wetlands, swamps, marshes or bodies of water where larvae may breed. Do not exceed this dosage or fish kill may result.

FOR OUTDOOR USE ON VEGETABLES & ORNAMENTALS: Except when using as a mosquito adulticide, all outdoor uses must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses: (1) Treatment of soil or vegetation around structures; (2) Applications to lawns, turf and other vegetation; and (3) Applications to building foundations up to a maximum height of 3 feet. Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors and eaves), are limited to spot treatment and crack-and-crevice treatments only.

May be used on vegetables and ornamentals (outdoors or in greenhouses) up to and including day of harvest. Especially desirable as a clean-up or pre-harvest spray where other materials may not be used due to residue restrictions. When applied according to accepted use cautions and directions this concentrate may be used in combination with other insecticides where resistant insects are a problem, to flush insect out of hiding and into contact with spray residues.

On the following vegetables and ornamentals to kill the listed insects, use 1.2 to 3.6 ounces in 10 gallons of water to allow thorough coverage. Coverage of upper and lower leaf surfaces is essential for best results.

ASPARAGUS: ASPARAGUS BEETLE. **BEANS**: APHIDS, LEAFHOPPERS, WHITE FLY, MEXICAN BEAN BEETLE, 12-SPOTTED CUCUMBER BEETLE. **BROCCOLI, CABBAGE, BRUSSELS SPROUTS, CAULIFLOWER**: APHIDS, CABBAGE LOOPER, CROSS-STRIPED CABBAGE WORM, DIAMONDBACK MOTH LARVAE, FLEA BEETLE, HARLEQUIN BUG, IMPORTED CABBAGEWORM, STINK BUG. **CELERY**: GREEN PEACH APHIDS, CABBAGE LOOPER, LEAF TIER. **CRANBERRIES**: FIREWORMS, LEAFHOPPER. **EGGPLANTS**: BLISTER BEETLE, COLORADO POTATO BEETLE, FLEA BEETLE, GREEN PEACH APHID. **LETTUCE**: CABBAGE LOOPER, GREEN PEACH APHID, DIAMONDBACK MOTH LARVAE, IMPORTED CABBAGEWORM. **MUSTARD GREENS, KALE, COLLARDS, TURNIPS**: IMPORTED CABBAGEWORM, DIAMONDBACK CATERPILLAR, APHIDS, CABBAGE LOOPER. **PEPPERS**: GREEN PEACH APHID. **POTATOES**: APHIDS, COLORADO POTATO BEETLE, FLEA BEETLE, LEAFHOPPER. **RADISH**: APHIDS, FLEA BEETLE. **SPINACH**: APHIDS, CABBAGE LOOPER, WEBWORM. **TOMATOES**: GREEN PEACH APHID, COLORADO POTATO BEETLE, STINK BUG, FLEA BEETLE.

ORNAMENTALS: (AFRICAN VIOLETS, ASTERS, AZALEAS, BEGONIAS, CAMELLIAS, CARNATIONS, CHRYSANTHEMUMS, DAHLIAS, DOGWOOD, GERANIUMS, GLADIOLI, MARIGOLDS, ROSES, RUBBER PLANTS, WANDERING JEW, ETC.): APHIDS, FLEA BEETLES, LEAFHOPPERS.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store this product in a cool, dry (preferably locked) place away from heat or open flame and in an area that is inaccessible to children and animals.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. {For containers 5 gallons or less} Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water (or solvent used to dilute product) and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more time. Offer for recycling, if available or reconditioning, if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. {For containers greater than 5 gallons} Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water (or solvent used to dilute product). Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling, if available or reconditioning, if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

